

Remarks

No new matter has been added by way of this amendment. Applicants have amended the specification to direct entry of this Substitute Sequence Listing at the end of the application.

Applicants previously submitted two (2) copies of a sequence listing on compact disc in WordPerfect format and one (1) copy of the sequence listing on compact disc in ASCII DOS text format on April 10, 2003. However, the PTO has informed Applicants' undersigned representative that the ASCII DOS text version was lost. Therefore, to prevent a recurrence of this situation, Applicants hereby submit three (3) copies of the sequence listing on compact disc in ASCII DOS text format. These are all duplicates of the ASCII DOS text version filed April 10, 2003. According to the M.P.E.P. § 2422.03, the compact discs under 37 C.F.R. § 1.821(c) *may be identical to* the computer readable format (CRF) under 37 C.F.R. § 1.821(e) if the CRF is also submitted on compact disc. Thus, Applicants believe the sequence listing submitted herewith is in compliance with all applicable rules.

Applicants respectfully request that the Examiner replace the previously submitted copies of the Substitute Sequence Listing, submitted on compact disc in accordance with 37 C.F.R. § 1.821(c) and (e) filed on April 10, 2003, with the substitute copies of the Sequence Listing submitted herewith on compact disc in accordance with 37 C.F.R. § 1.821(c) and (e). The required duplicate copies of the written form on compact disc are labeled "Copy 1 Replacement 08/07/2003" and "Copy 2 Replacement 08/07/2003". The computer readable

form of the Substitute Sequence Listing is also submitted on compact disc, labeled "Computer Readable Format".

Each compact disc containing the Substitute Sequence Listing is formatted for IBM-PC, ASCII DOS text. The three discs each contain one file: Sequence Listing 2060_0040005, 2,440,838 bytes, created on March 24, 2003, and as filed as the computer readable form on April 10, 2003.

In compliance with 37 C.F.R. § 1.52(e)(4) the duplicate copies of the written form on compact disc and the computer readable form of the Substitute Sequence Listing on compact disc are identical, *i.e.*, "Copy 1 Replacement 08/07/2003" and "Copy 2 Replacement 08/07/2003" are identical, and the sequence information recorded in the computer readable form on compact disc, *i.e.*, "Computer Readable Format" is identical to the written (on compact disc) Substitute Sequence Listing.

In compliance with 37 C.F.R. § 1.52(e)(4) the replacement compact disc contains no new matter. It is respectfully believed this application is now in condition for examination.

Respectfully submitted,

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